



CHRISTOPHER P. ISAAC

202. 408.4083 chris.lsaac@finnegan.com

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ATTORNEY DOCKET NO. 8350.0862-00 CUSTOMER NO. 22,852

Box PATENT APPLICATION Assistant Commissioner for Patents Washington, DC 20231



Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above patent application.

- 1. Specification 24 pages; Claims 5 pages, including 3 independent claims and 16 claims total; Abstract 1 page.
- 2. Drawings 5 sheets of drawings (Figures 1-5).
- 3. Declaration and Power of Attorney (1 page).
- 4. Preliminary Amendment (2 pages).
- 5. Recordation Form Cover Sheet (1 page) and Assignment to Caterpillar Inc. (2 pages) (3 pages total).
- 6. Information Disclosure Statement Under 37 C.F.R. §1.97(b) (1 page), PTO-1449 Form (1 page), and 5 cited references (copies provided).

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7. The filing fee is calculated as follows:

Basic Application Filing Fee					\$740	\$	\$740.00
	Number of Claims		Basic	Extra Claims			
Total Claims	16	-	20	0	x \$18		-0-
Independent Claims	3	-	3	0	x \$84		-0-
Presentation of Multiple Dep. Claim(s) +\$280							
Subtotal						\$	740.00
Reduction by 1/2 if small entity						-	
TOTAL APPLICATION FILING FEE						\$	740.00

8. The Commissioner is hereby authorized to charge \$780.00 to Caterpillar Deposit Account No. 03-1129. The fees includes:

\$740.00 filing fee; and \$40.00 Assignment recordation fee.

Applicant claims the right to priority based on Provisional Patent Application No. 60/342,370, filed December 27, 2001.

Please address all correspondence with respect to this application to:

Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. 1300 I Street, N.W. Washington, D.C. 20005-3315

Please accord this application an application number and filing date and record and return the Assignment to the undersigned.

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The Commissioner is hereby authorized to charge any additional filing fees due and any other fees due under 37 C.F.R. § 1.16 or §1.17 during the pendency of this application to Caterpillar Deposit Account No. 03-1129.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW, GARRETT& DUNNER, L.L.P.

By:_

Christopher P. Isaac Reg. No. 32,616

CPI/chw Enclosures